



# Livingston Ave., Hastings St., and Adjacent Streets Construction Preparation Meeting 3-25-19



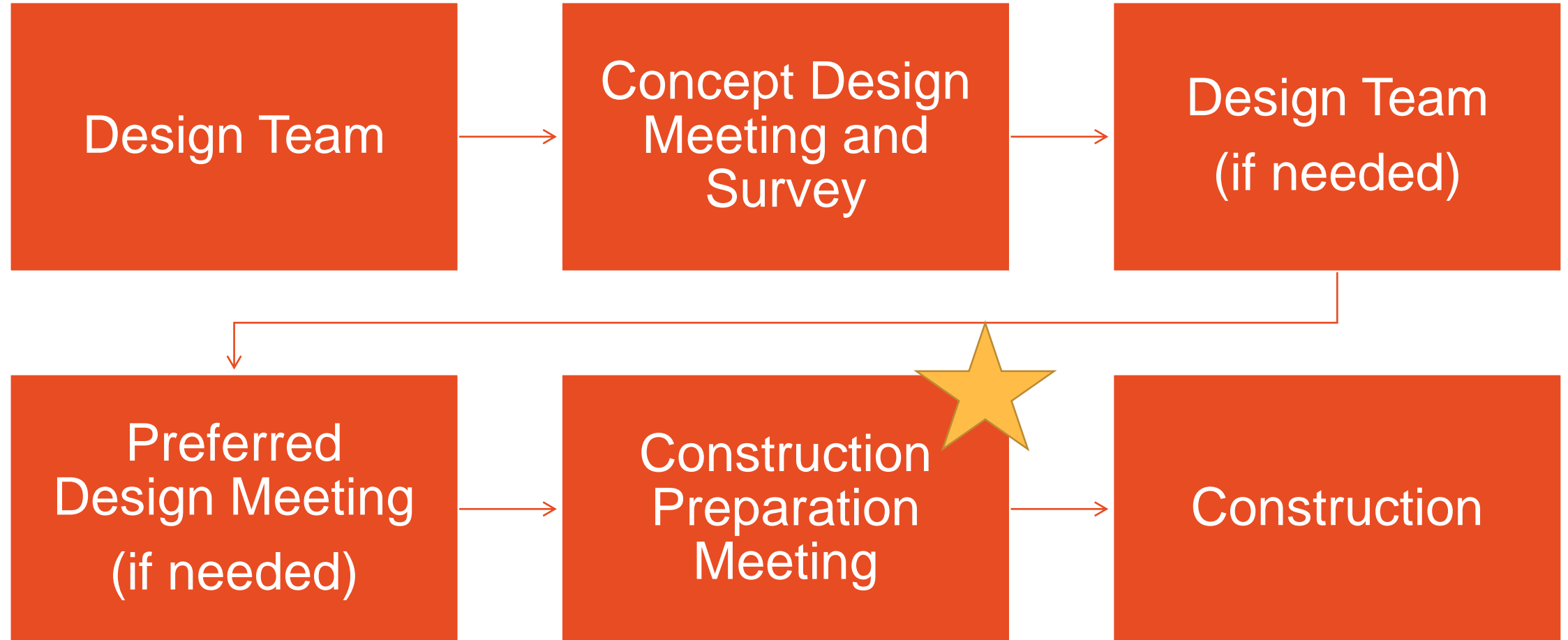
## Introductions

- Moore & Bruggink, Inc. (Engineering Consultant)  
– Al Pennington
- Fishbeck, Thompson, Carr & Huber (Engineering Consultant) – Jeremy Kramer

### *City Staff*

- Community Engagement – Layla Aslani and Juan Torres
- Engineering – John Hayes
- Traffic Safety – Jon Re

# Road Design and Construction Process



# Agenda

- Overview and Design
- Construction Details
- Discussion

## STREETS ARE VITAL FOR



### RESIDENTIAL

INCREASED PROPERTY VALUES AND  
BETTER MOBILITY (CARS, BIKING, WALKING  
AND BUSES)



### SMALL BUSINESS

CUSTOMERS NEED TO SAFELY REACH  
RETAILERS & RESTAURANTS IN THE AREA



### BIG BUSINESS

STREETS ARE VITAL FOR MOVING GOODS  
& PRODUCTS TO CONSUMERS





# Overview and Design



# Project Area and Work

## *Resurfacings*

- Lafayette Ave. (Michigan St. to Hastings St.)
- Hastings St. (Sinclair Ave. to College Ave.)



# Project Area and Work

## *Newly Created Streets*

- Trowbridge St. (North Ave. to Sinclair Ave.)
- Sinclair Ave.—College Ave. Connector



# Project Area and Work

## *Reconstructions*

- Sinclair Ave. (Hastings St. to north end)
- Hastings St. (Fairview Ave. to Sinclair Ave.)
- Livingston Ave. (Hastings St. to north end)
- Fairbanks St. (Fairview Ave. to Livingston Ave.)
- Newberry St. (Hester Pl. to Livingston Ave.)





# Tentative Schedule

*April-September 2019*

- Lafayette Ave. (Michigan St. to Hastings St.)
- Hastings St. (Fairview to Prospect Ave.)



# Tentative Schedule

*June-October 2019*

- Livingston Ave. (Hastings to north end)
- Fairbanks St. (Fairview Ave. to Livingston Ave.)
- Newberry St. (Hester Pl. to Livingston Ave.)



# Tentative Schedule

2020

- Hastings (Prospect Ave. to College Ave.)
- Trowbridge St. (North Ave. to Sinclair Ave.)
- Sinclair Ave.-College Ave. Connector





# Planned Work

- Reconstruct, resurface, or build new streets
- Utility work
- Upgrade sidewalks and ramps to ADA compliance





# Design

## *Livingston Ave.*

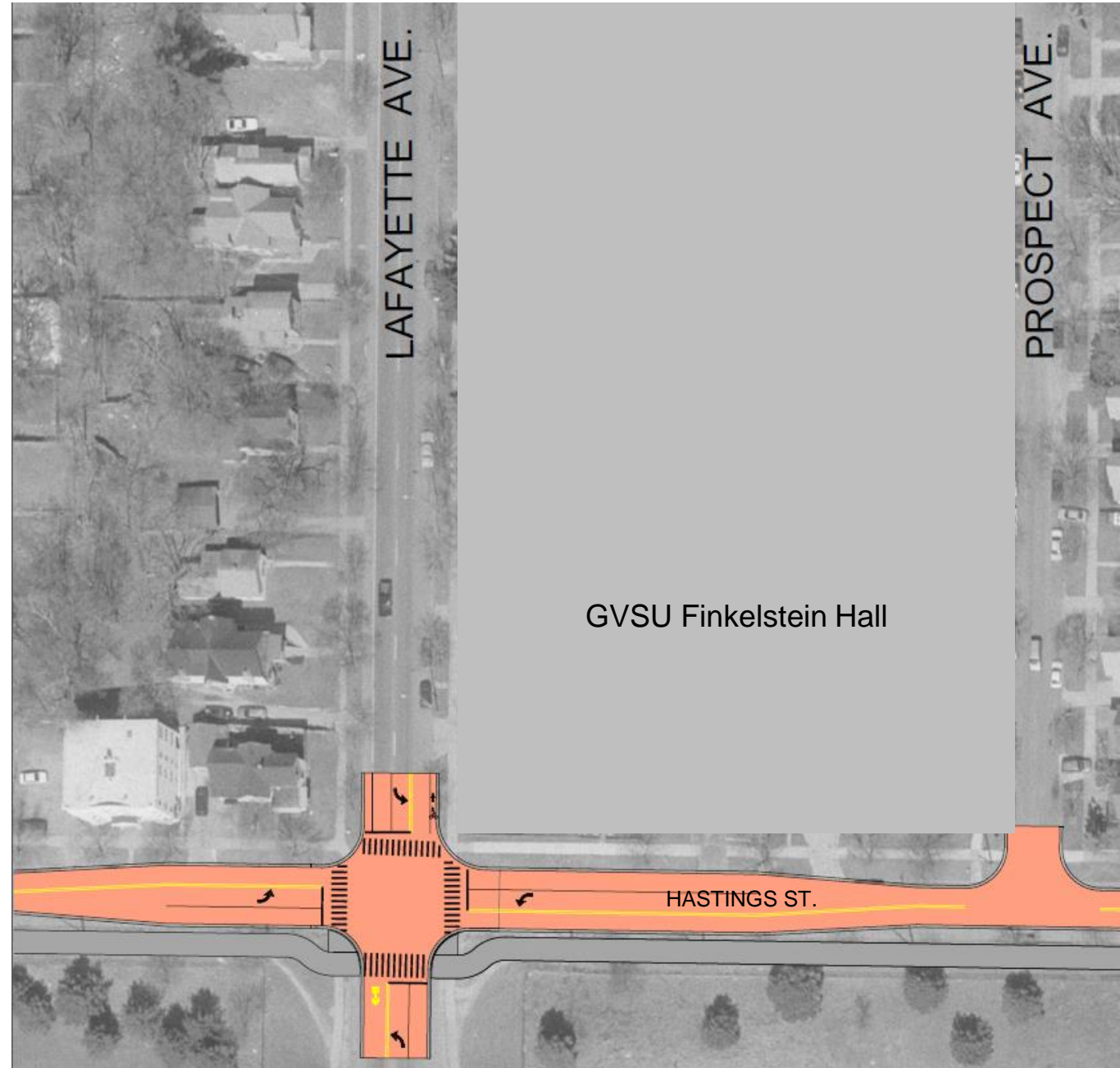
- Narrow street north of Newberry St. by approx. four feet to match width elsewhere
- Install bulb-outs and green infrastructure at intersections



# Design

## *Hastings St.*

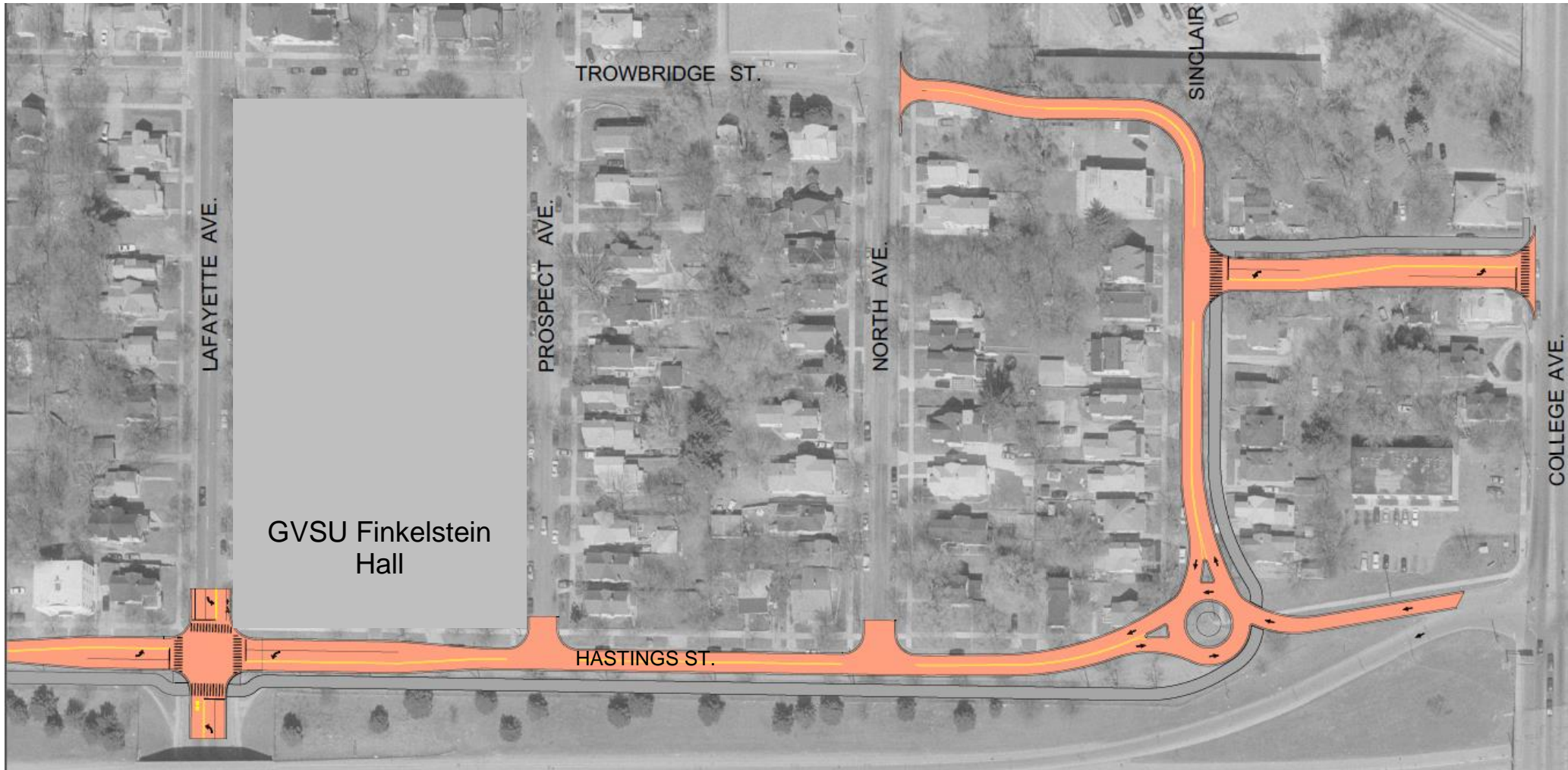
- Install new traffic signal at Hastings St. and Lafayette Ave. intersection
- Install left-turn lanes on Hastings St. at Lafayette Ave.
- Remove on-street parking on Hastings St. (Coit Ave. to Prospect Ave.)





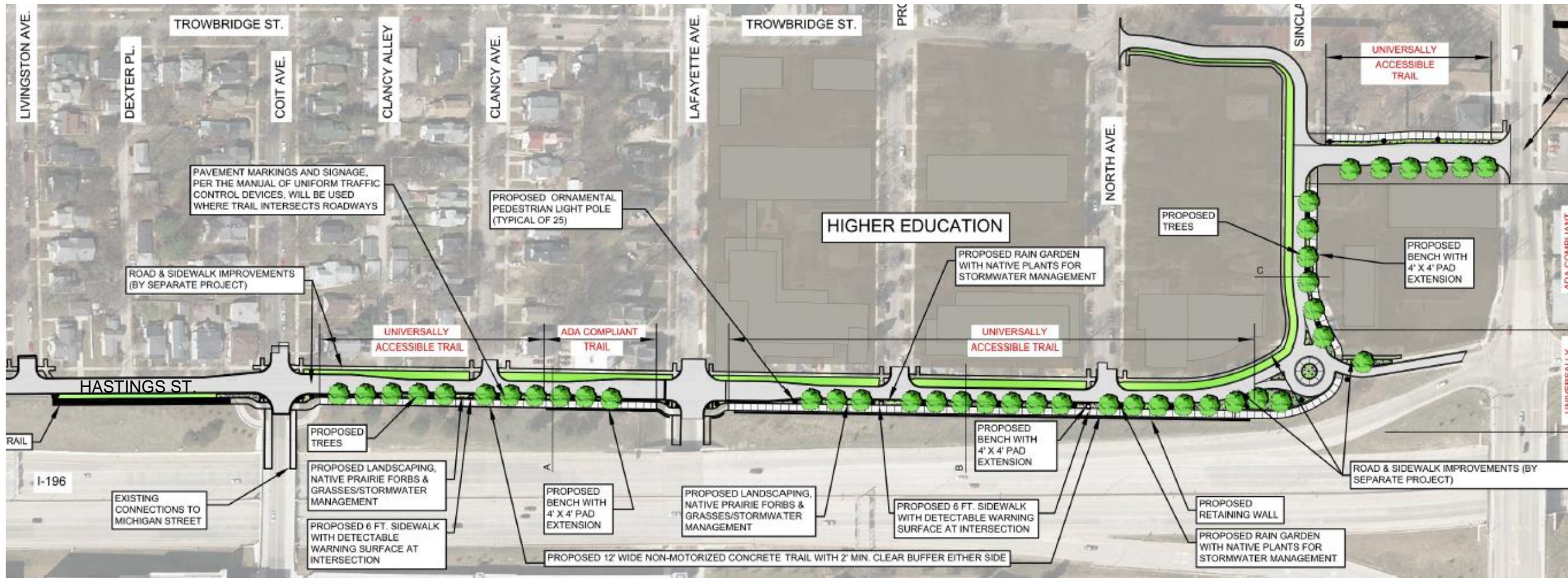
# Design

- New Sinclair Ave.-College Ave. Connector
- Create roundabout
- New traffic signal at College Ave.
- Extend Trowbridge St.



# Design

- Continue pathway
- Plant trees





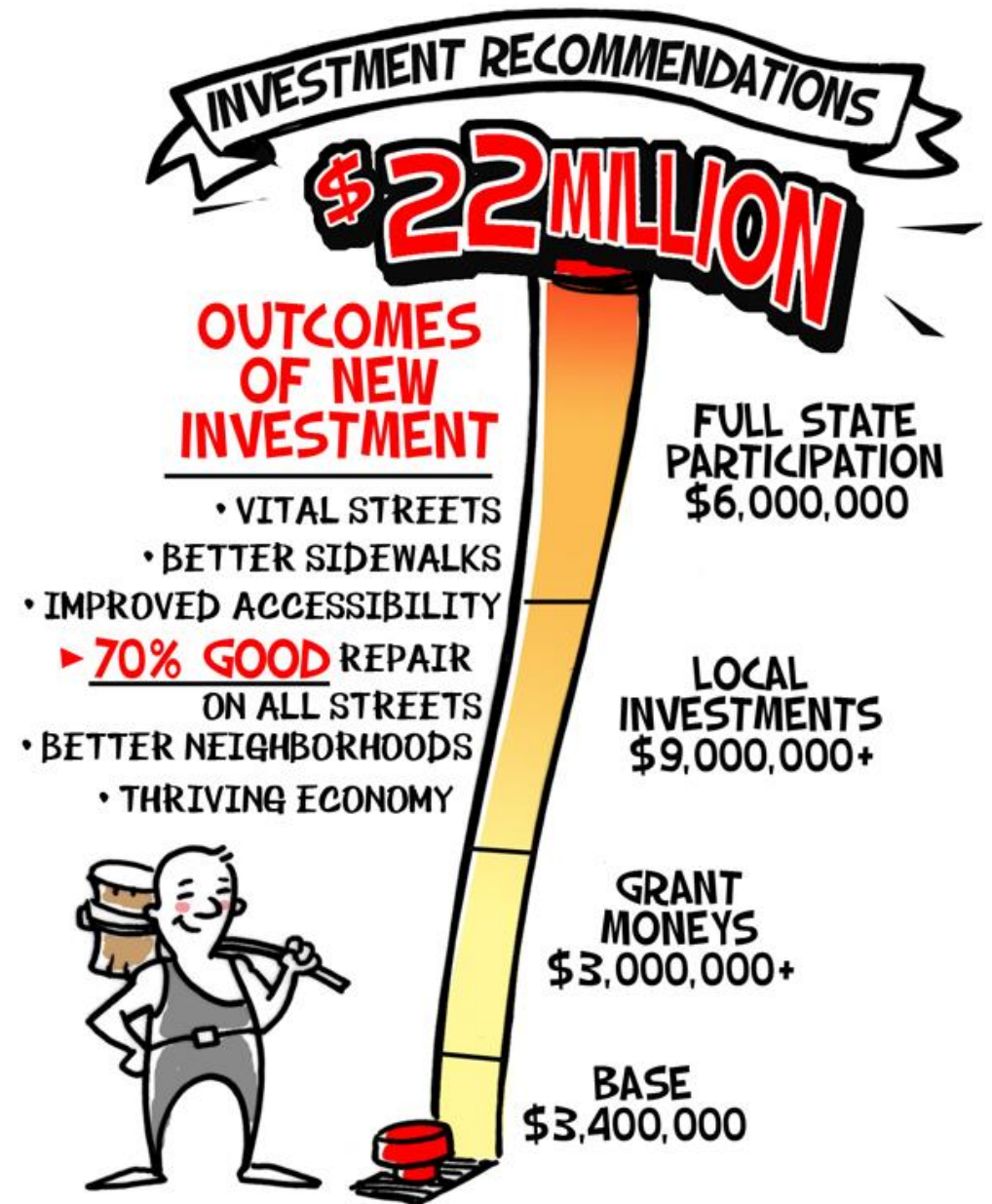
# Funding Livingston Ave. Project

- Total Cost = \$1.82 million
  - Water Fund: \$900,000
  - Vital Streets Fund: \$920,000



# Funding Hastings St. Project

- Total Cost = \$2.2 million
  - Sewer Fund: \$150,000
  - Water Fund: \$1,550,000
  - Vital Streets Fund: \$500,000





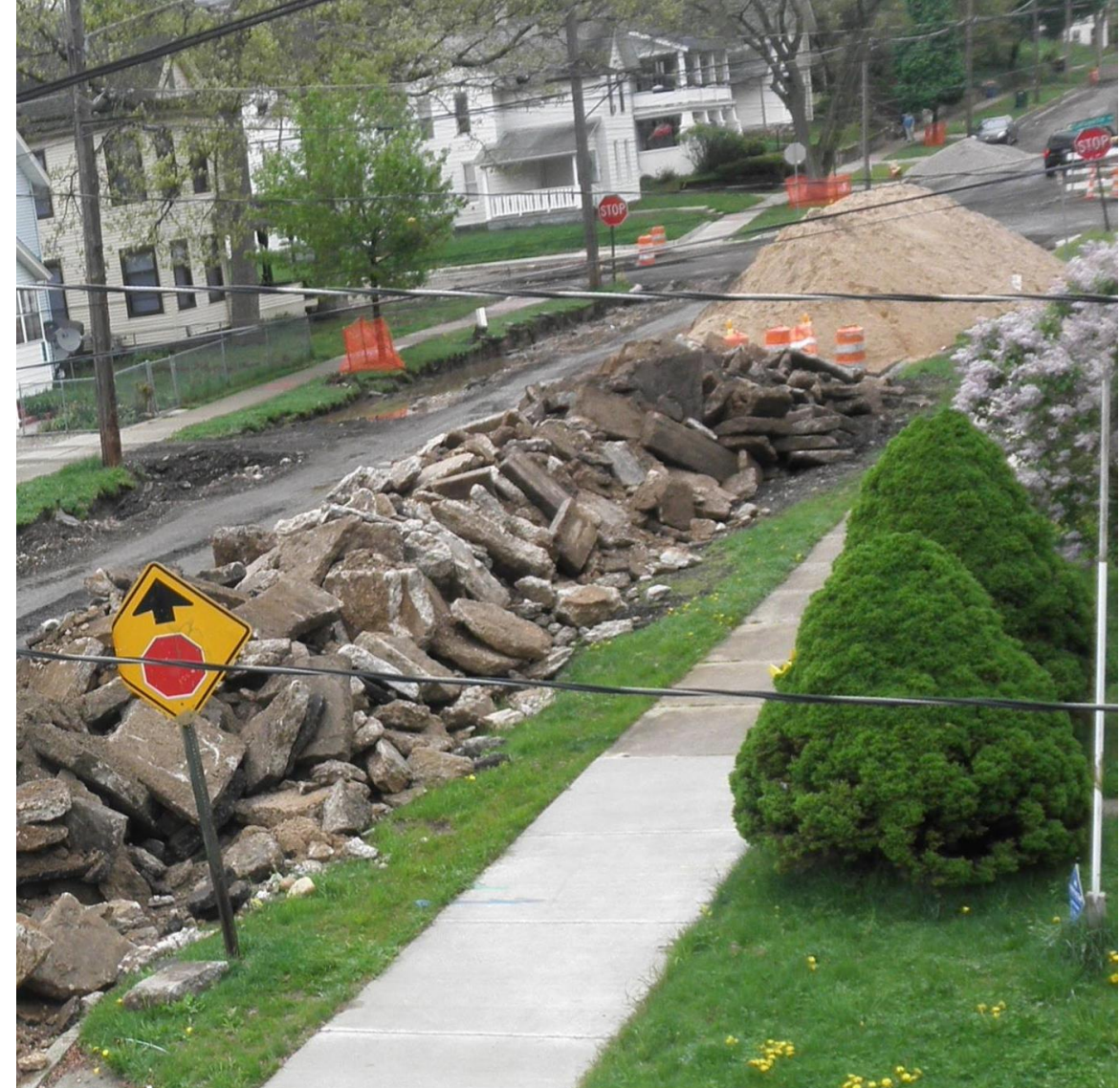
# Construction Details





# Street Construction

- Reconstruct full width
  - Livingston Ave. and Hastings St. (Fairview St. to Sinclair Ave.)
- Full or partial reconstruct
  - Fairbanks St. and Newberry St.
- Resurface
  - Lafayette Ave. and Hastings St. (Sinclair Ave. to College Ave.)
- Sidewalk replaced where needed
  - All streets





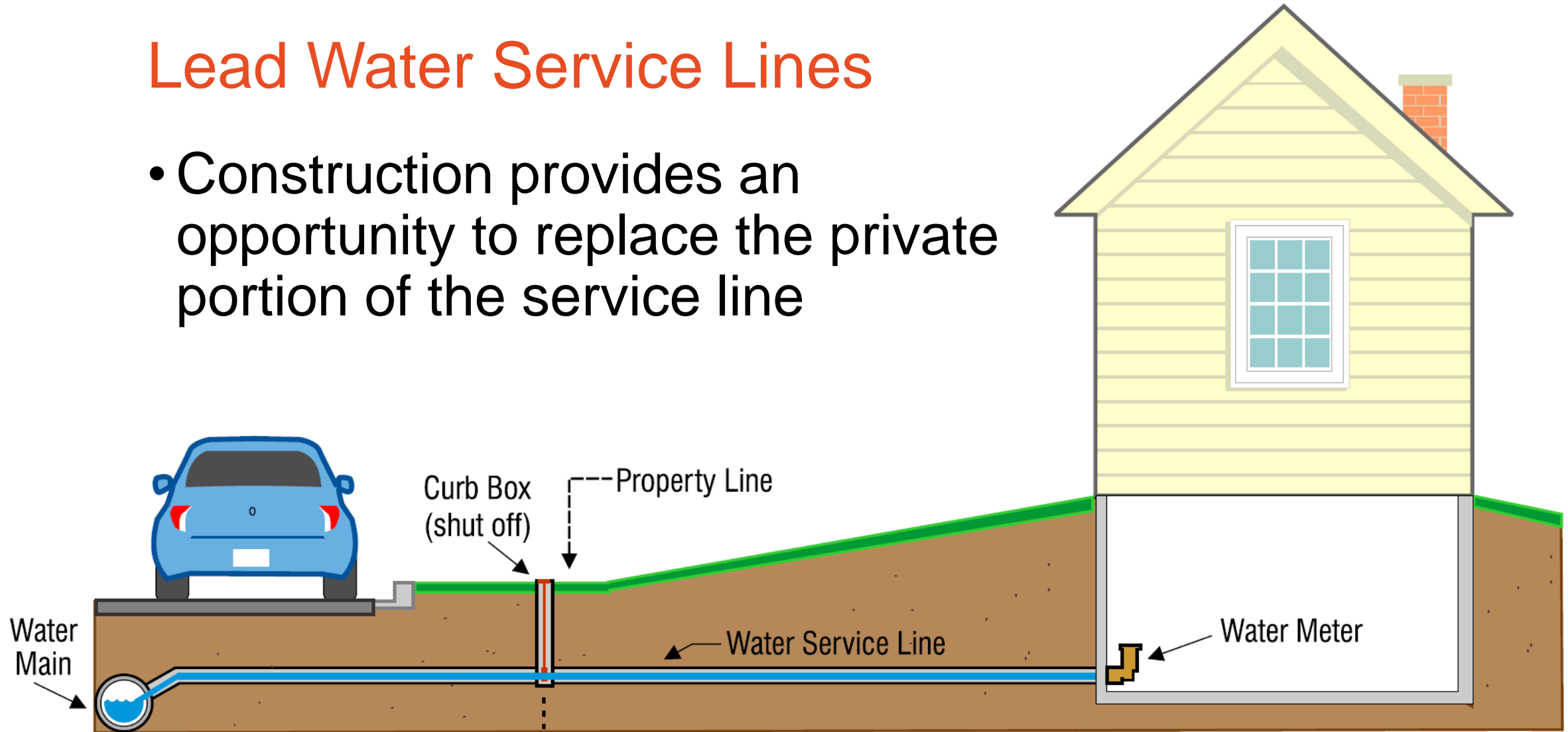
## Water Main

*Livingston Ave., Hastings St. and Sinclair Ave.*

- Replace water main
- Two to three water shutdowns
  - Contractor will provide notice
- Potential for water main break
- Run faucets and clean screens to clear pipe deposits
  - Outside first

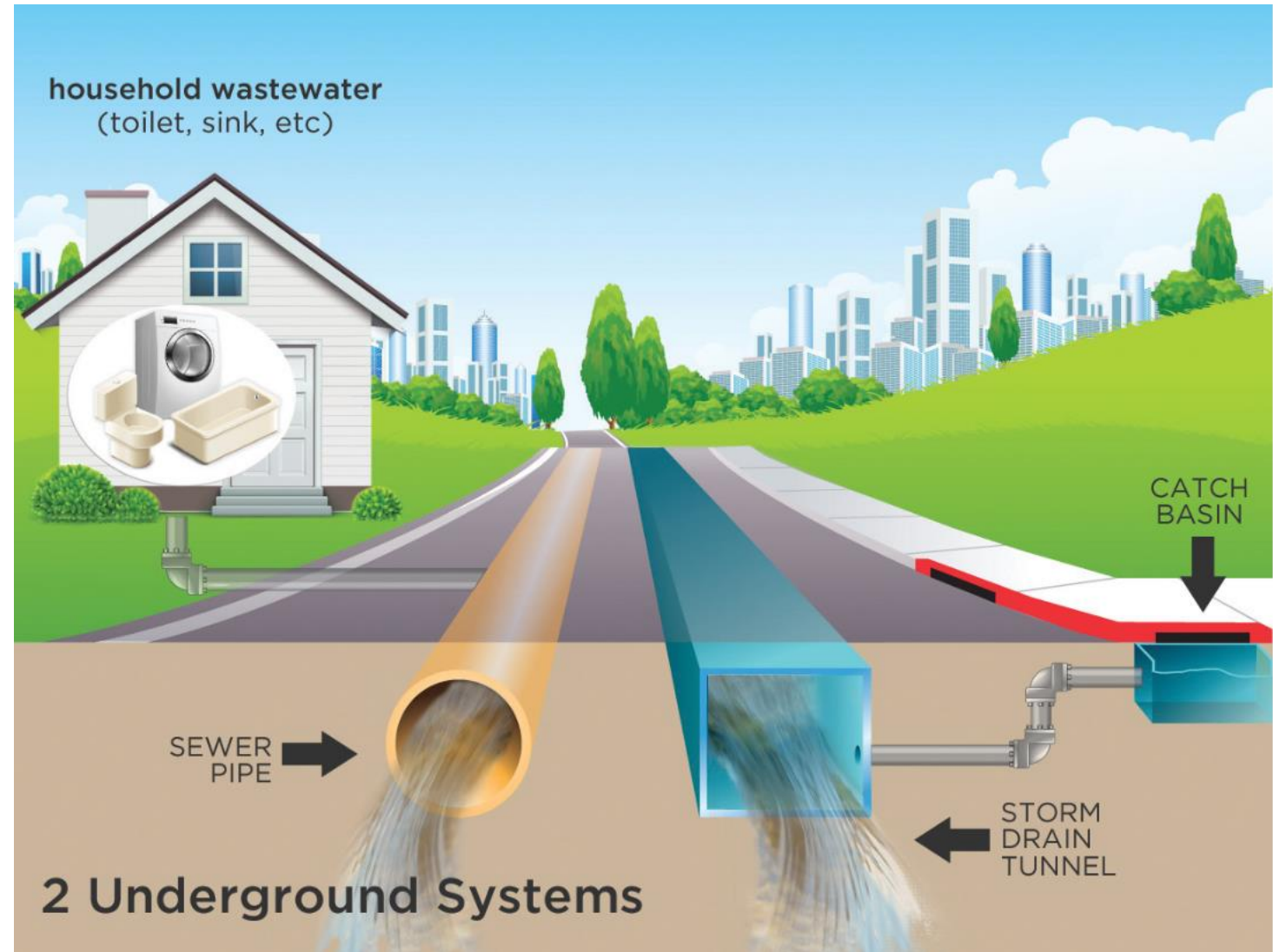
# Lead Water Service Lines

- Construction provides an opportunity to replace the private portion of the service line



# Sanitary Sewer and Storm Sewer

- Two underground sewer systems

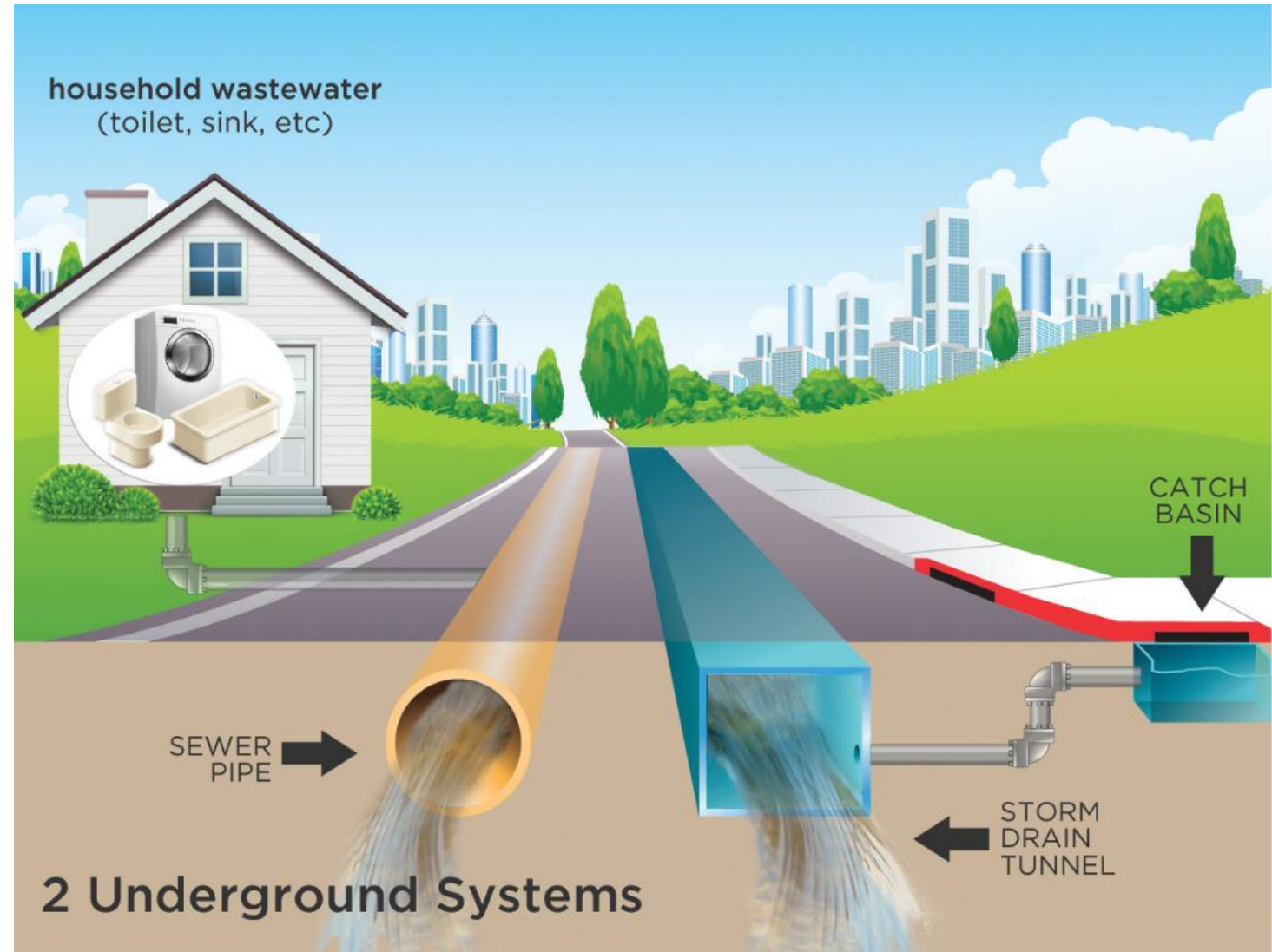


Source: City of Barrie, Ontario

# Sanitary Sewer

*Hastings St. and  
Sinclair Ave.*

- Replace the sanitary sewer and sanitary laterals up to the property line
- No interruption to sewer service



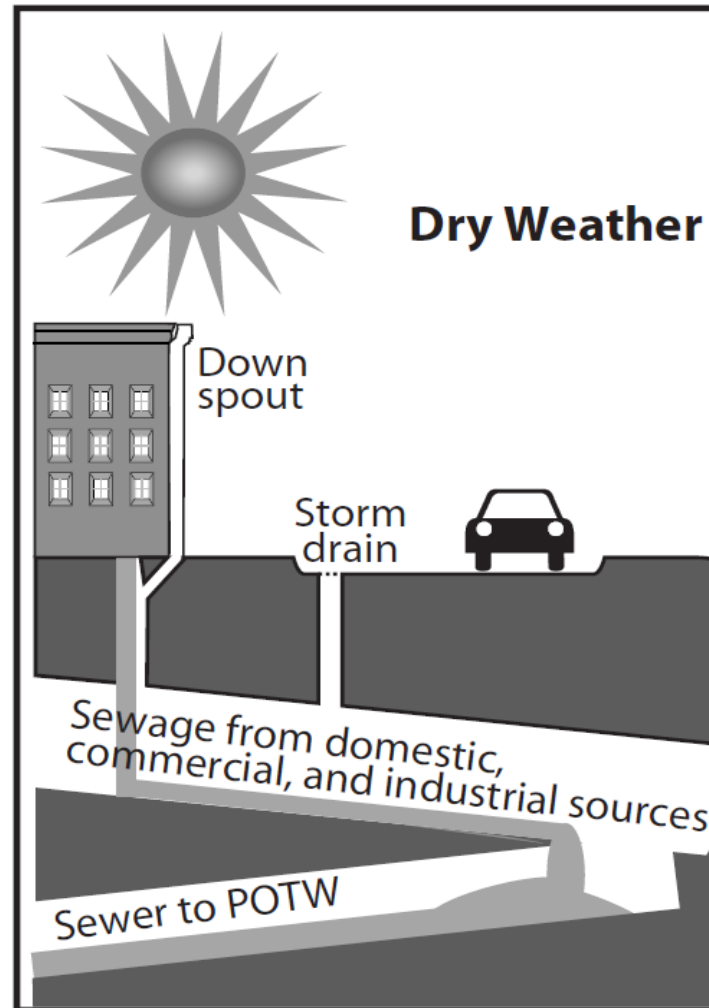
Source: City of Barrie, Ontario



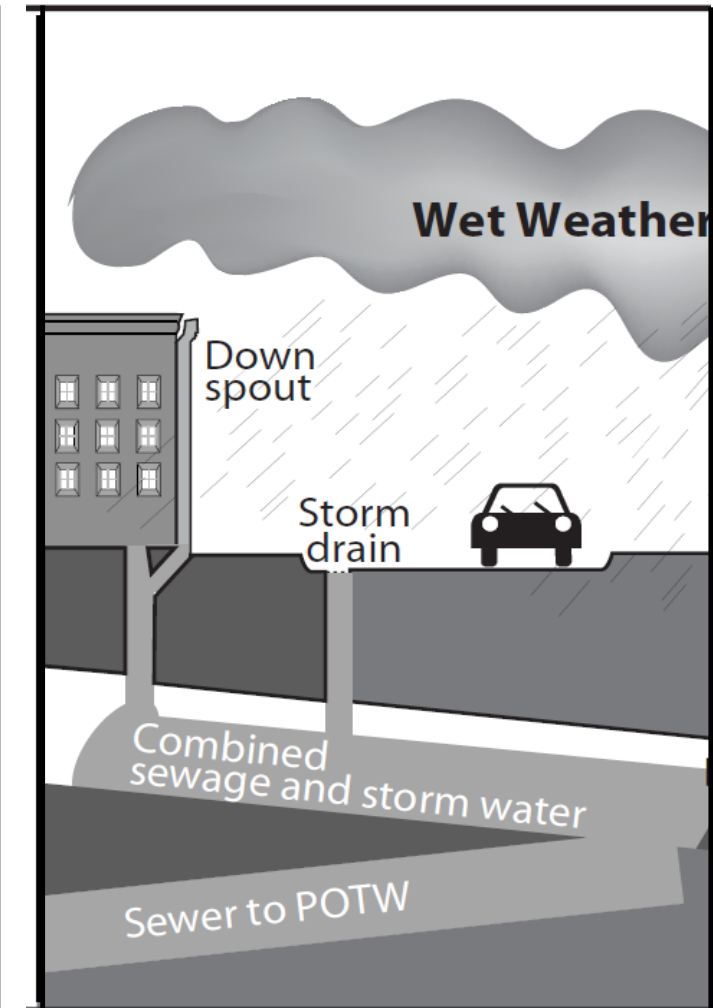
# Storm Sewer

*Fairbanks St. and Newberry St.*

- Install new storm sewer system to separate from sanitary sewer



POTW = publicly owned treatment works

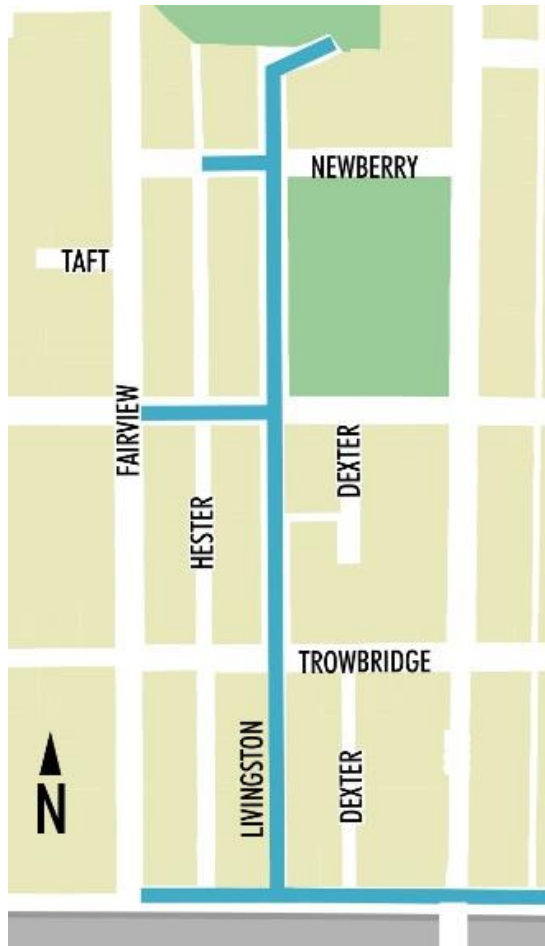


Source: the U.S. Environmental Protection Agency

# Green Infrastructure

*Livingston Ave.'s intersections with Trowbridge St., Fairbanks St., and Newberry St.*

- Rain gardens may be installed

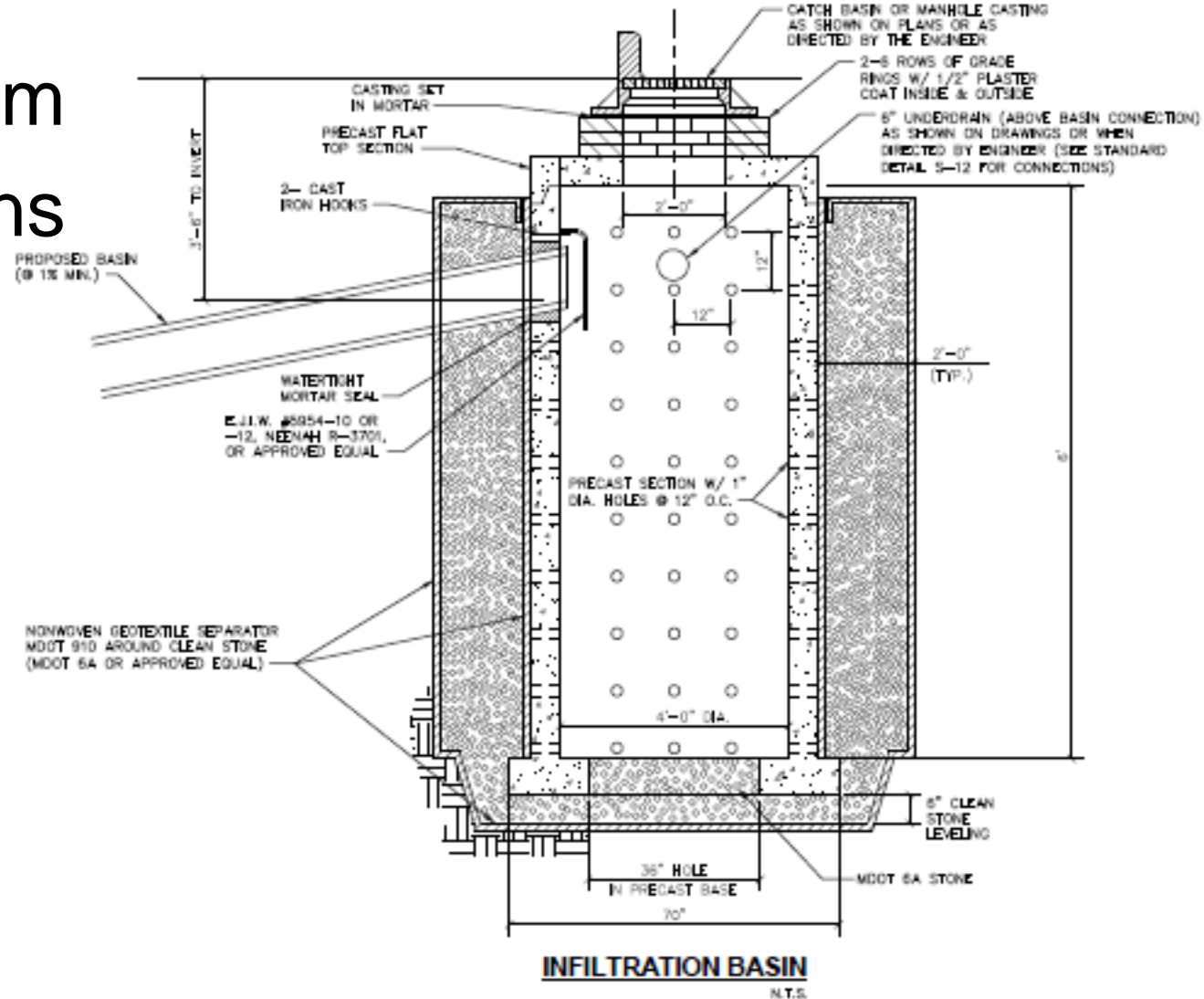




# Storm Sewer/Green Infrastructure

## *Hastings St.*

- Upgrade storm sewer system
- Install infiltration catch basins





# Driveway Approaches

*Livingston Ave., Hastings St.,  
and Sinclair Ave.*

*Possibly Fairbanks St. and  
Newberry St.*

- Replace all driveway approaches
- Close driveways for 5-7 days while concrete cures

*All Streets*

- Restrict driveway access when work is directly in front





# Parkways

## *All Streets*

- Restore grass
- Property owners should remove plantings they want to save
- Property owners should mark sprinkler heads



# Parkways

## *All Streets*

- Some trees may be removed
- Plant street trees





# Access

## *All Streets*

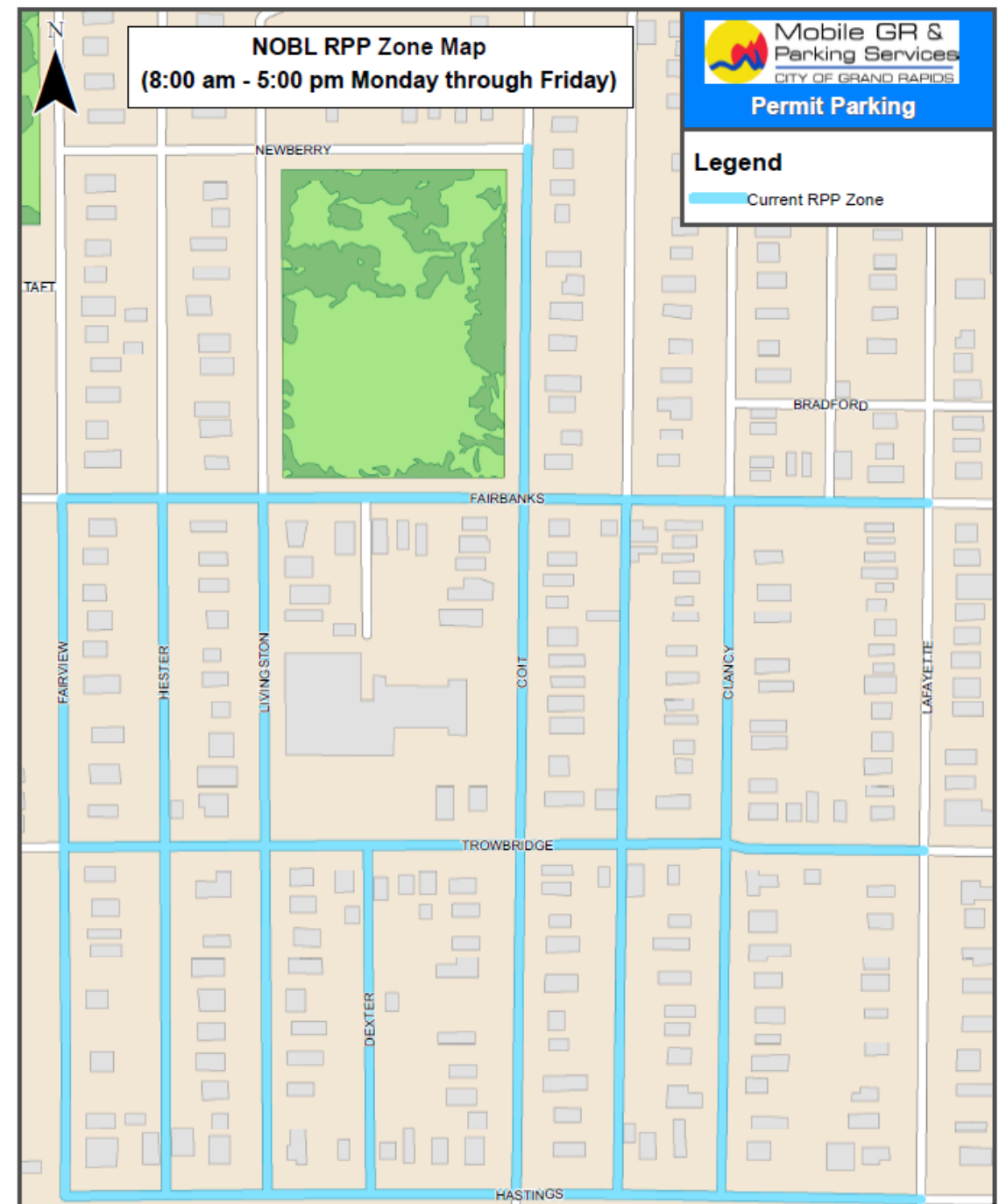
- Streets closed to through traffic
- Maintain only local and emergency vehicle access



# Access

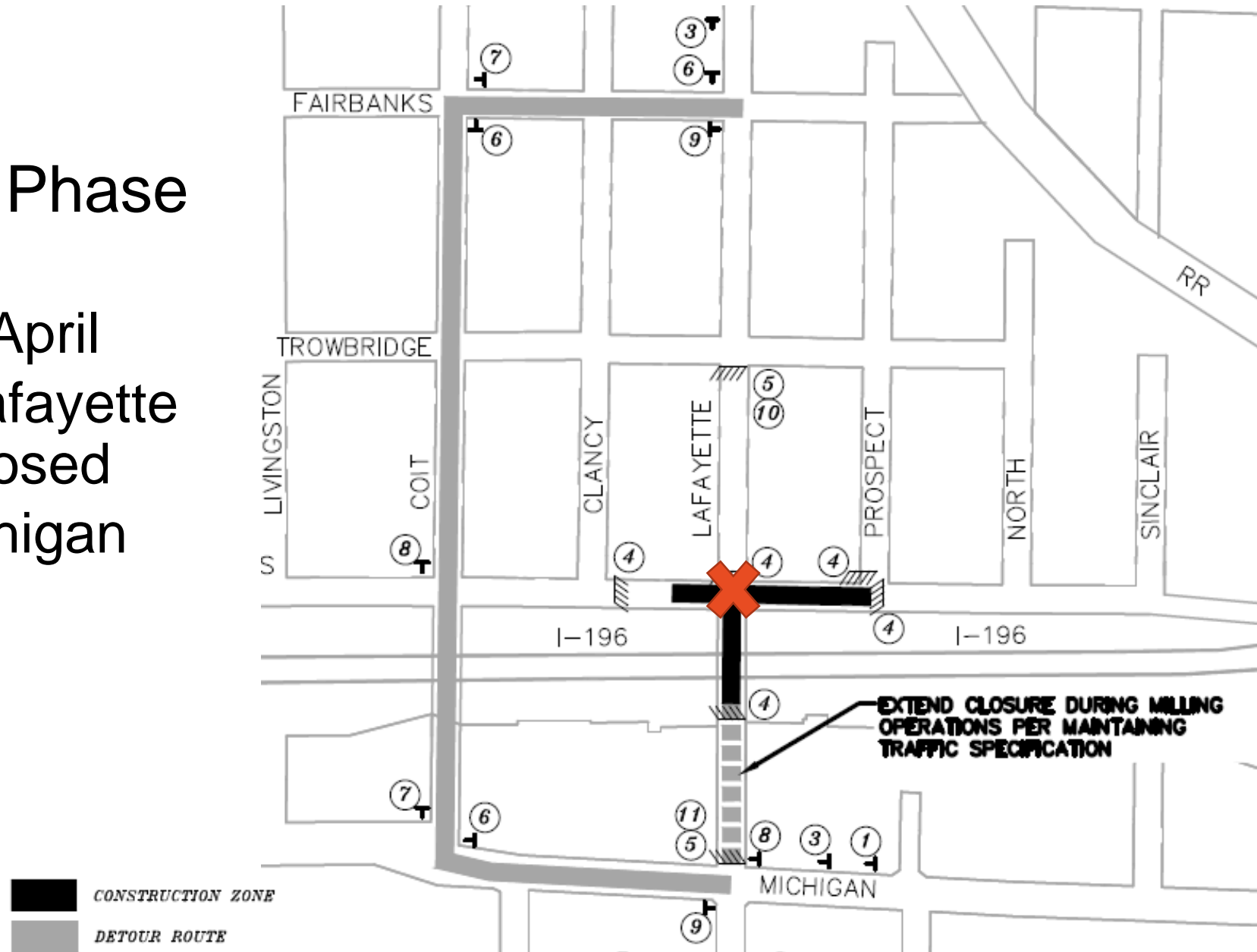
## *All Streets*

- On-street parking prohibited during construction hours
- Residential parking permit holders may park elsewhere within zone



# Detour Routes

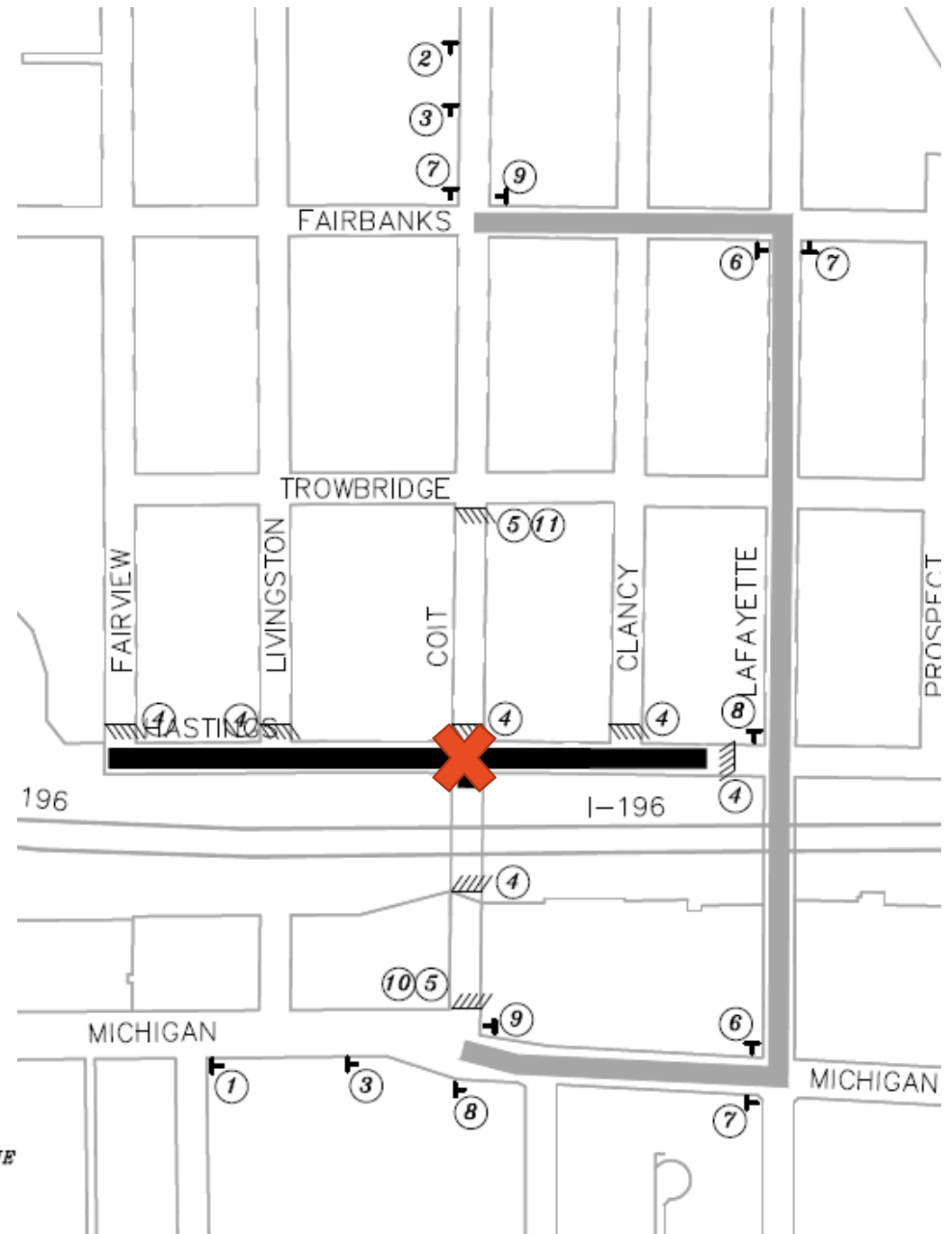
- 2019 Hastings St. Phase 1
  - A long weekend in April
  - Hastings St. and Lafayette Ave. intersection closed
  - Detour will use Michigan St., Coit Ave., and Fairbanks St.





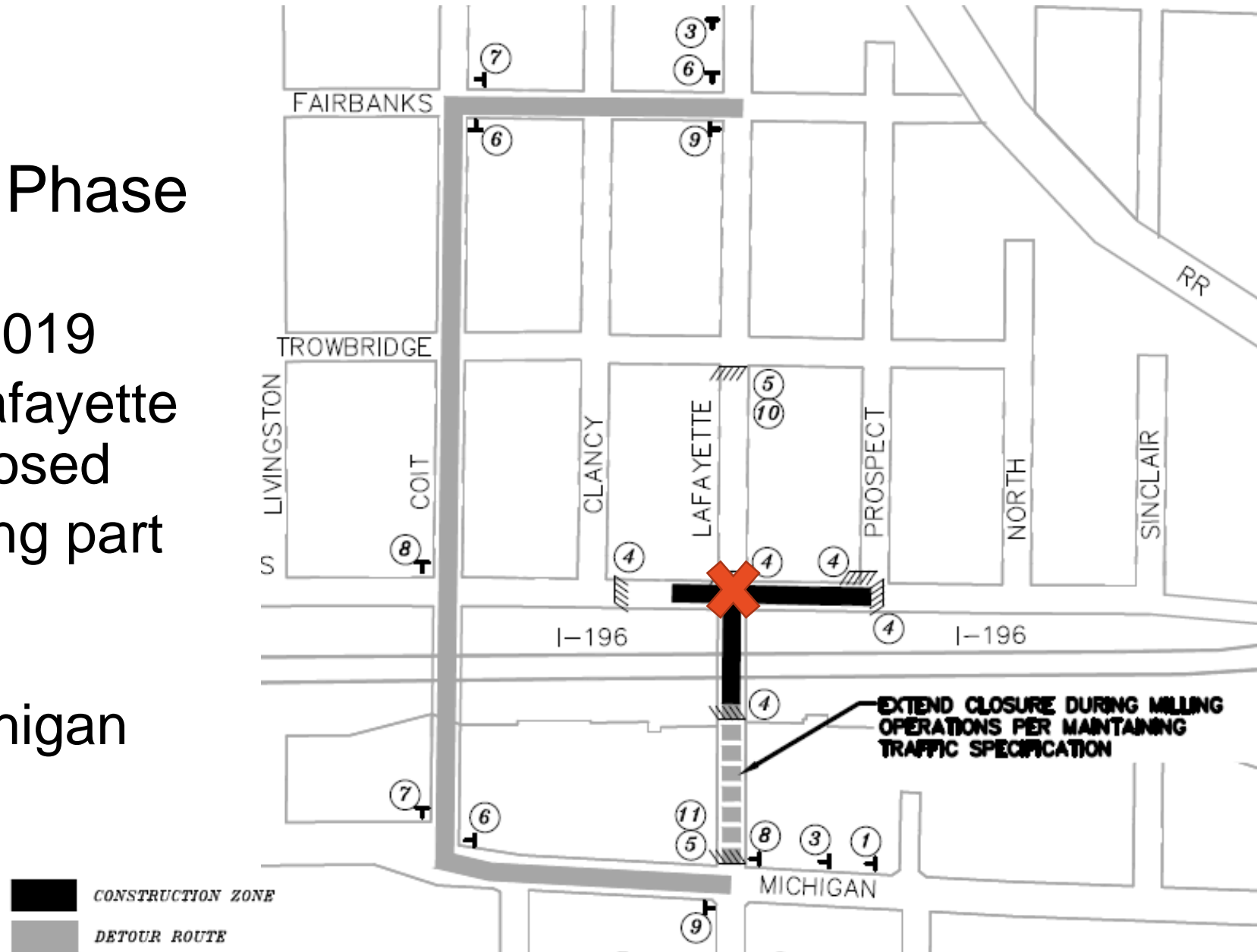
# Detour Routes

- 2019 Hastings St. Phase 2
  - April – July 2019
  - Hastings St. and Coit Ave. intersection closed
  - Detour will use Michigan St., Lafayette St., and Fairbanks St.



# Detour Routes

- 2019 Hastings St. Phase 3
  - July – September 2019
  - Hastings St. and Lafayette Ave. intersection closed
  - Larger closure during part of Lafayette Ave. resurfacing
  - Detour will use Michigan St., Coit Ave., and Fairbanks St.



## Mail and Refuse

- Maintain mail delivery
- Maintain recycling and refuse pick-up





# Construction Hours

- Typically 7 a.m. to 7 p.m.
  - Monday through Saturday
  - Occasionally Sunday work
- Work depends on weather and contractor's schedule



# Rain Barrels

- Available workshops
- West Michigan Environmental Action Council (WMEAC)
  - [wmeac.org/rainbarrels](http://wmeac.org/rainbarrels)
  - 616-451-3051





# Discussion





## Contact Information

- Road construction website:  
[grandrapidsmi.gov/roadconstruction](http://grandrapidsmi.gov/roadconstruction)
- City phone number: 311 or 456-3000
- City evening and weekend  
emergency number: 456-3249



# Discussion

